

3 JUN 1932
Rpt. 11b.

Lloyd's Register of British & Foreign Shipping.

SURVEYS FOR FREEBOARD.

MON. 13 AUG 1906

PARTICULARS IN RESPECT OF STEAM SHIPS WITH TOP GALLANT FORECASTLES,
HAVING LONG POOPS OR RAISED QUARTER DECKS CONNECTED WITH BRIDGE HOUSES,
OR SHORT POOP AND BRIDGE HOUSE DISCONNECTED, OR BRIDGE HOUSE.

Delete words which do not apply.

Port of Survey Hamburg
Date of Survey 10th August 1906
Name of Surveyor J. Macdonald

Ship's Name. Lichtenfels Gross Tonnage. 5609 Official Number. 410 Type of Ship. span deck Date of Build. 1903-3 Particulars of Classification. 100 A1 span deck

Registered Length as shown by ship's register. 425 Breadth 53 Depth 29.45
Length on Loadline 425
Breadth 53

Depth 29.45 Tons and Dk. 5353
Correction for excess or deficiency of Gradual Sheer (Para. 3) .33
Depth to be used 29.48
Peaks 54
 $\times 100$ 5390

Co-efficient of fineness .80
Any modification necessary [Para. 4 (a) to (e)] Cell D.B.
Co-efficient as corrected .48

Sheer { Stem 96 } $129 \div 2 = 64.5$ Mean
at { Sternpost 33 }
Sheer at $\frac{1}{2}$ of the length from { Stem 52.75 } $71.00 \div 2 = 35.5$ Mean
{ Sternpost 18.25 }
Gradual Sheer 64.54
Standard Sheer (Table, Para. 18) 52.5 Correction
Difference 12.0 $\div 4 = -3$

Rise in Sheer { At front of bridge house
from amidships {
[Para. 18 (e)] { At after end of forecastle

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C. 5' 3 3/4"
Correction for Length, if required (Para. 12 and 13) + 3"
Freeboard by Table A, corrected for sheer, and for length, if required (Para. 12 and 13) 8' 9 1/2"
Difference 3' 2 3/4"
Percentage as below 34.72

Correction for engine and boiler openings not being covered by bridge house, in cases coming under Para. 11

Allowance for Deck Erections 1' 1 1/2"

	Length.	Length allowed.	Height.
Forecastle.....	<u>50.0</u>	<u>50.0</u>	<u>7' 3"</u>
Bridge House	<u>119.0</u>	<u>119.0</u>	<u>7' 3"</u>
+ Raised Qr. Dk.....	<u>✓</u>	<u>✓</u>	<u>✓</u>
Poop.....	<u>58.0</u>	<u>58.0</u>	<u>7' 3"</u>
Total	<u>227.0</u>	<u>227.0</u>	<u>53.4</u>
Length of Ship	<u>425.0</u>	<u>425.0</u>	<u>✓</u>

Corresponding percentage { 34.72%
(Para. 11, 12, or 13)

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

Fresh Water Line above centre of Disc
Indian Summer Line " " "
Winter Line below " " "
Winter North Atlantic Line " " "

Moulded Depth as measured 32' 2"

NOTE.—If the depth is measured when vessel is afloat, the details of measurement should be reported.

CORRECTION FOR LENGTH.

Length of Ship on Loadline 425
Length in Table 386
Difference 39

Correction for 10ft., Table A. 1.6 Table C. .8
 \times Difference divided by 10 6.24 (if required.) 3.12
If $\frac{1}{10}$ ths length covered divide by 2 for vessels coming under Para. 11 and Para. 12 + 6.4 + 3

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered
Thickness of usual wood deck, less stringer.....

Steel deck part tank sheathing

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships.....
Round of Beam 15" 13
Normal round 13
Difference 2 $\div 2 =$ ✓

NOTE.—The round of beam should be reported on the full breadth of vessel at the gunwale.

Proportion of Deck uncovered (Para. 19) ✓

Freeboard, Table A 8' 6 3/4"
Correction for Sheer - 3"
Correction for Length + 6 3/4"
Allowance for Deck Erections - 1' 1 1/2"
Correction for Round of Beam ✓

Correction for Iron Deck (if required) - 4' 4 1/2"

Additions for non-compliance with provisions of Para. 11 (d) and (e) ✓

Other corrections (if any) ✓

Winter Freeboard 7' 4 1/2"
Summer Freeboard 6' 11"
N. A. Winter Freeboard ✓

Correction necessary because clear side amidships measured in accordance with the Statutes is not taken at the intersection of the wood or iron deck with side. + 2

Winter Freeboard from deck line 7' 6 1/2"
Summer " " " 7' 1"
N. A. Winter, " " " ✓

MARKING FORM
14.8.06
13/8/06

Indicated Tables
March, 1906

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DELETE WORDS WHICH DO NOT APPLY.

The Crew ~~are not~~ berthed in the bridge house.
The arrangements to enable them to get backwards and forwards from their quarters are, ~~are~~ satisfactory.

Length of Bulwarks in well *aft 98'-0" forward 99'-9"* Sq. Ft.
Area of freeing ports required by Para. 11 (e) each side of vessel
Freeing Ports (each side of vessel)

Ft.	Tenths.	Ft.	Tenths.	No.	Sq. Ft.
	x		x	} <i>open gangways</i>	
	x		x		
	x		x		

Total deficiency = Sq. Ft.
Total excess = "

Vertical distance from bottom of keel or from top of deck at side amidships to lower edge of lowest side scuttle.

(N.B.—This dimension need not be reported unless the sill of the lowest side scuttle would be less than 6 inches above the Indian Summer Load Line if assigned under the tables.)

Do all the Frames extend to the top height in the Poop? *yes*

Do. do. do. in the Raised Quarter Deck? *yes*

Do. do. do. Bridge House? *yes*

Do. do. do. Forecastle? *yes*

To what height do the Reverse Frames extend? *✓*

Has the Poop ~~on Raised Quarter Deck~~ an efficient Iron Bulkhead at the fore end? *yes*

Give particulars of the means for closing the openings in Bulkhead *weather boards fitted in channels full*

Is the Poop ~~on raised Quarter Deck~~ connected with the Bridge House? *no*

State whether the Bridge House efficiently covers the Engine and Boiler Openings *yes*

Has the Bridge House an efficient Iron Bulkhead at the fore end? *yes*

Give particulars of the means for closing the openings in Bulkhead *W.T. hinged iron doors*

Describe how and to what extent it is Stiffened, give scantlings and spacing of Angle Irons, Bulb,

Plates, etc. *Bulb angles 7" deep, Fed bars 6" Flce bars 5" deep, average space 30" also 4 w 24" d*

Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*

How are the openings closed? *weather boards fitted in channels full height*

Is the forecastle at least as high as the main or top-gallant rail? *yes*

Has the Forecastle an efficient Iron ~~or Wood~~ Bulkhead at its after end? *yes*

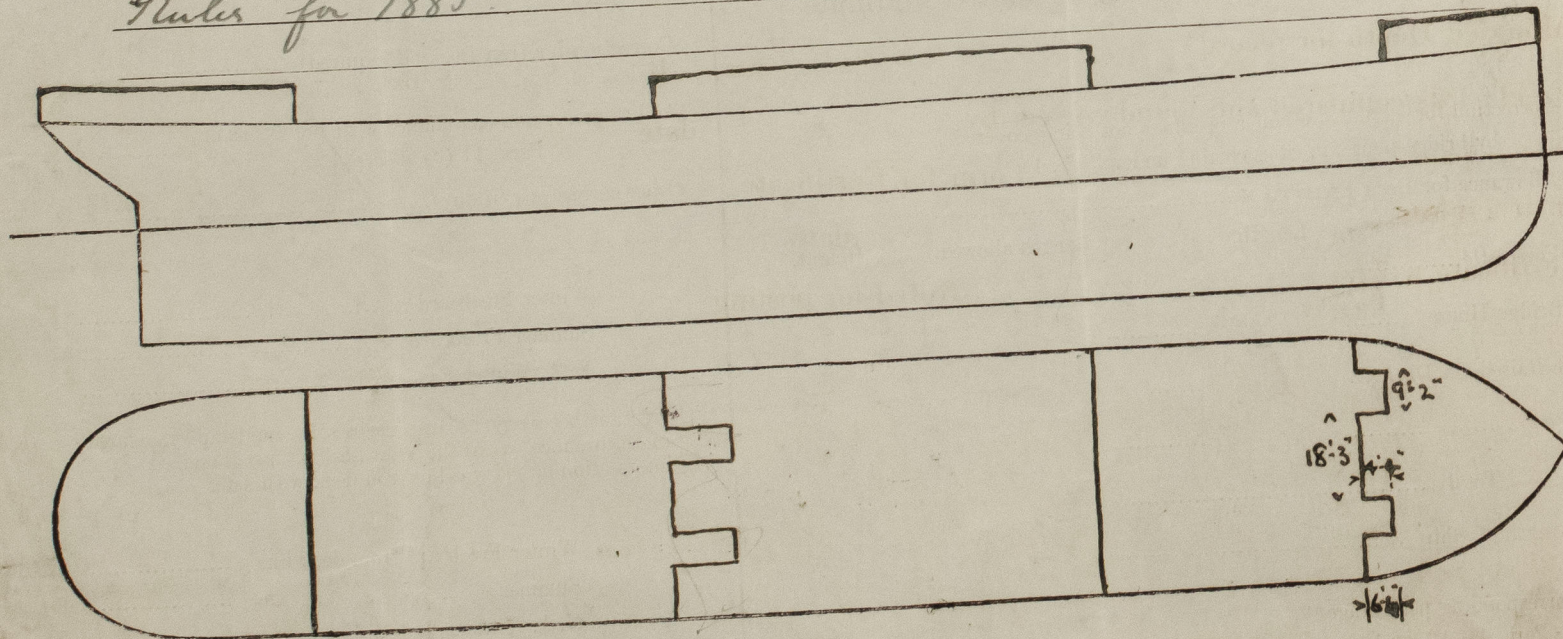
Are the Hatchways efficiently constructed? *yes* What is the thickness of the Hatches? *3"*

State the height of the Coamings in fore well? *33"* In after well *33"*

Are the exposed parts of the Engine and Boiler Casings efficiently constructed? *yes*

State any special features in the construction of the Vessel *Classed 100-A.1. 5 ft 6 in deck under*

present Rules, but scantlings & construction are equivalent to 3 1/2 ft Rules for 1885



Show hereon the actual measurements of sheer, draft, erections, breaks in line of floors, &c.

Owners *Deutscher Dampffahrts-Gesellschaft*

Address *Bremen*

Fee £

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Received by me

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